

M-K ENGINEERING, INC.
CONSULTING ENGINEERS
HVAC-PLUMBING-FIRE PROTECTION-ELECTRICAL

4323 Division Street
Suite 211
Metairie, LA 70002

Tel. (504)887-2376
Fax (504)887-2302
mkansagra@ m-k-e.com

May 19, 2014

Mr. Anouar Ait Iddir
Safety and Permit Department, City of New Orleans
City Hall, 1300 Perdido Street, Suite 7E
New Orleans, La 70112

RE: 1031 Canal Street

M-K's Project No.12-063
Permit no. 13-43016-NEWC

Dear Sir:

Our office reviewed mechanical and electrical comments and our response is as follows:

MECHANICAL COMMENTS:

Item # 1 We will revised CFM on plan and rooftop unit schedule CFM that will match each other.

ELEVATOR:

Item # 1. Refer to architectural response.

Item # 2. Refer to architectural response.

Item# 3. Refer to architectural response.

Materials: Refer to architectural response.

Item# 4. Refer to architectural response.

Item # 5. Refer to architectural response.

Item # 6. We will provide standby power.

1) Standby power will be manually transferable to all elevators in each bank.

ii) For one elevator-The elevator will be automatically transferred to stand by power within

60 seconds after familiar of normal power.

Item # 7: Section 3003.1.4 Venting: Machine room ventilation or air conditioning will be connected to standby power source wherever standby power connected to elevators.

Item #8: Section 3003.2 Fire Fighter's emergency operation. Elevators will be provided with Phase-I emergency recall operation and phase II emergency in car operation in according with ASME A17.1/CSA B44.

Item #9: Hoistway Venting: Elevator Hoist ways will be vented to remove smoke and hot gases to the outer air in case of fire.

Item #10: Section 3004.4 Location of vents: Vent will be located on top of hoist way and will open Directly to the outer air or through noncombustible duct to the outer air.

Item # 11: Section 3004.4: Plumbing and mechanical system will not be located in an elevator shaft.

Item#12: Section 3006 Machine Rooms:

Access: We will provide approved means of access to elevator machine rooms and overhead machinery spaces.

Venting: Independent ventilation and air-conditioning system will be provided in elevator machine rooms for solid- state equipment for elevator operation.

Pressurization: Elevator machine rooms serving a pressurized elevator hoist way will be pressurized upon activation of a heat or smoke detector located in elevator machine room.

Architects will response this item.

Item #13: Section 3007: Refer to architectural response.

ELECTRICAL

Item # 1: All wiring will be complied NEC 2011 Edition.

Item# 2: All electrical systems, equipment and components will be located at or above the base flood elevation or grade elevation, whichever is higher, as per IBC 2009
Art. 1612.1, New Orleans Amendments to the International Building Code 2009
Art. 110.21, 2735(B). We will verify and comply.

Item# 3: We will label circuits when future rental space will be leased. A separate permit be obtained at that time.

Item# 4: PG panel is added in one-line diagram. Attached is revised one line diagram.

Item# 5: GFI receptacles will be provided to comply NEC 2011 article 210.8(B).

Item#6: Sheet E1.2.1 & E1.2.2: We re-arranged text on sheet E1.2.1 & E1.2.2. Attached are sheets.

Item#7: Sheet E1.6, riser diagram: Main grounding electronic is added on riser diagram.

Item #8: Sheet E1.7, Number of ser corrected

Item #9: Sheet E-1.7, grounding conductor's sizes are labeled.

Item#10: Sheet E1.7, All electrical room has less than 1200 amp service. Two entrance is not required based on our code interpretation.

Item#11: Sheet E1.6, According to NFP72 Fire pump requires six time of fire pump rampage Disconnect. However, wire six is not required.

Item#12: Sheet E1.6, Two hour fire rated enclosure will be provided to protect feeders from Entergy vault and to the Fire pump.

Item #13: Sheet E1.6, We designed grounding system as per NEC 2011, Art. 250.

Item#14: Sheet E1.7, Disconnect will be provided at tap box ahead of transformer.

Item#15: Two hour fire rated enclosure will be provided to protect emergency feeder circuit wires To satisfy the fire protection requirement.

Item#16: Sheet E1.12, Panel MHP rating is changed to 1000 amp.

Please let us know by above email if additional clarification is required on this matter. Thanks.

Yours very truly,

M-K Engineering, Inc.



Magan K. Kansagra, P.E.

Nestor Houghton, P.E.